

March 2006



College of William and Mary

Applied Research Center Student Newsletter

WE ARE BEING "DISCOVERED" BY OTHER DEPARTMENTS FROM WM



On March 7th, the Applied Research Center Labs were visited by a group of students from two different W&M departments; Anthropology and Chemistry. In the above picture, left, they are shown in ODU's surface characterization lab with Lab Tech Brandt Robertson demonstrating ODU's new Scanning Electron Microscope.

The above picture right shows one of the students from this group, Derrick Manzlak standing with Richard Proper (WM tech). Derrick returned to the WM surface characterization lab to use the Hirox, our high performance optical microscope, on March 10th. Derrick is a grad student in the WM chemistry master's program and he is employed full time with NASA.

LAB VISIT



On March 15th Stephanie Herrera, Account Manager for GTS gases visited our lab,. She discussed with Amy her role as a local representative of her company for the WM ARC labs. They performed a lab walk-thru for gas inventory.

AFM MAINTENANCE

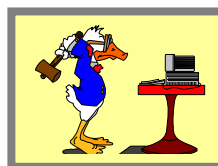
Pictured on the right is John Thornton, Senior Application Scientist for the Veeco Metrology Group. He arrived at our lab on March 10th for AFM maintenance. He also gave a training session for the lab technicians to improve their skills in working with this device. One of the applications they worked on was nano-indenting



Left picture, from left to right: Richard Proper and Natalie Percy are watching as John explains different techniques he uses while he is characterizing samples.



REPAIRING THE SEM



March 14th was an exciting day in our lab. The Hitachi SEM filament was replaced and the next day, after a good vacuum was achieved, the electronics were started and good quality images were taken. The picture on the left shows the old LaB₆ filament which was removed from the SEM. Below Natalie and Richard are installing the new filament and Brandt Robertson (ODU) is observing.



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